



# UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/811,781	03/20/2001	Larry D. Frederick	F8930.0000/P019

24998

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L STREET NW  
WASHINGTON, DC 20037-1526

APR 27 2001

CONFIRMATION NO. 9292

## FORMALITIES LETTER



\*OC000000006000243\*

Date Mailed: 04/24/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

/27/2001 HEEBREM1 00000130 09811781

FILED UNDER 37 CFR 1.53(b)

FC:201  
FC:202  
FC:203  
FC:205

355.00 OP  
40.00 OP  
275.00 OP  
65.00 OP

### Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$638.
  - \$558 for 31 total claims over 20.
  - \$80 for 1 independent claims over 3.
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1478.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

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*A copy of this notice MUST be returned with the reply.*



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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

703 308 1202

Please type a plus sign inside this box +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/21 (08-00)



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/811,781
Filing Date	March 20, 2001
First Named Inventor	Larry D. Frederick et al.
Group Art Unit	2878
Examiner Name	Not Yet Assigned
Attorney Docket Number	F8930.0000/P019

Total Number of Pages in This Submission

12

## ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☒ Fee Attached

☐ Amendment/Reply

☐ After Final

☐ Affidavits/declaration(s)

☒ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☒ Response to Missing Parts under 37 CFR 1.52 or 1.53

☒ Assignment Papers (for an Application)

☒ Drawing(s) (10 sheets, Figs 1-16)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below)

Executed Declaration for Patent Application; Power of Attorney or Authorization of Agent.

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
William E. Powell III

Signature

*W.E. Powell III*

Date

August 24, 2001

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

**Complete if Known**

Application Number	09/811,781
Filing Date	March 20, 2001
First Named Inventor	Larry D. Frederick
Examiner Name	Not Yet Assigned
Group Art Unit	2878
Attorney Docket No.	F8930.0000/P019

TOTAL AMOUNT OF PAYMENT (\$ ) 974.00

**METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

04-1073

Deposit  
Account  
NameDickstein Shapiro Morin &  
Oshinsky LLP

- ☒ Charge Any Additional  
Fee Required Under  
37 CFR 1.16 and 1.17

- ☒ Applicant claims small  
entity status. See  
37 CFR 1.27

2. ☒ Payment Enclosed

☒ Check☐ Credit Card☐ Money Order☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	355.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ ) 355.00

**2. EXTRA CLAIM FEES**Extra  
ClaimsFee from  
below

Fee Paid

Total Claims	51	-** =	31	X	9	=	279.00
Independent Claims	4	-** =	1	X	40	=	40.00
Multiple Dependent						=	319.00

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ ) 319.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	65.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	195.00
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 300.00

**SUBMITTED BY**

Complete (if applicable)

Name (print/type) William E. Powell III

Registration No.  
(Attorney/Agent) 39,803

Telephone (202) 775-4798

Signature

W.E. Powell III

Date August 24, 2001



Docket No.: F8930.0000/P019  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of:  
Larry D. Frederick, et al.

Application No.: 09/811,781

Group Art Unit: 2878

Filed: March 20, 2001

Examiner: Not Yet Assigned

For: ARMORED ROCK DETECTOR

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**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION**

**Box Missing Parts**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In response to the Notice to File Missing Parts of Application – Filing Date  
Granted mailed April 24, 2001, Applicant respectfully submits a Fee Transmittal, Petition  
for Extension of Time, a Declaration for Patent Application, a Power of Attorney or  
Authorization of Agent, a Recordation and Assignment, and a Submission of Formal  
Drawings.

A check in the amount of \$974.00 is enclosed covering the fees set forth in 37  
CFR 1.16 and 1.17. The Commissioner is hereby authorized to charge any deficiency in  
the fees filed, asserted to be filed or which should have been filed herewith (or with any

paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. F8930.0000/P019. A duplicate copy of this paper is enclosed.

Dated: August 24, 2001

Respectfully submitted,

By W.E. Powell III

William E. Powell III

Registration No.: 39,803

DICKSTEIN SHAPIRO MORIN &

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Attorneys for Applicant

09/811,781 F8930.0000/P019 08/24/01 WEP:llp